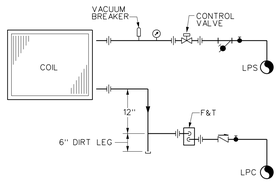
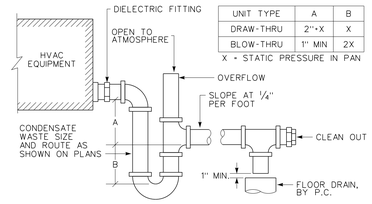


REHEAT COIL PIPING DETAIL 1

NO SCALE — STEAM

NOTES:

1. ARRANGE PIPING TO ALLOW REMOVAL OF COIL WITHOUT REMOVAL OF PIPING AHEAD OF UNIONS.



UNIT TYPE	A	B
DRAW-THRU	2"+X	X
BLOW-THRU	1" MIN	2X

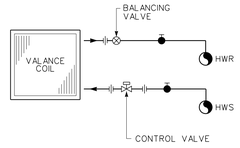
X = STATIC PRESSURE IN PAN

CONDENSATE DRAIN CONNECTION DETAIL 4

NO SCALE

NOTES:

1. CONTRACTOR SHALL CONNECT CONDENSATE PIPING TO EACH AHU AND PROVIDE HARD PIPED TRAP, FITTINGS AND UNION, AS WELL AS ALL CONDENSATE PIPING.
2. REFER TO SPECIFICATIONS FOR PIPING AND INSULATIONS REQUIREMENTS. PIPING SHALL BE RIGID COPPER TYPE L.
3. DIELECTRIC FITTINGS TO BE USED ONLY WHEN TWO DISSIMILIAR METALS ARE CONNECTED.

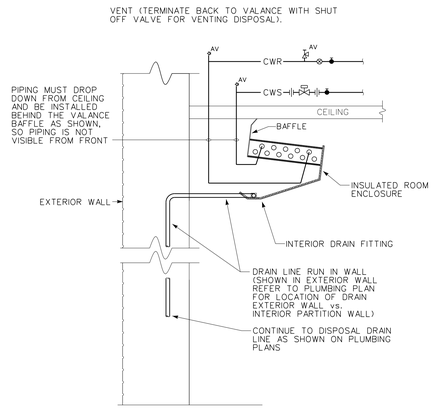


VALANCE PIPING DETAIL 7

NO SCALE

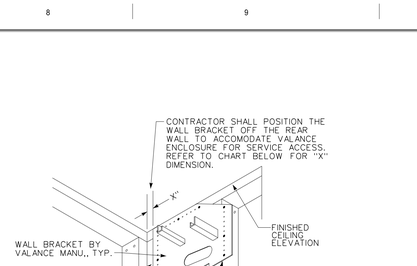
NOTE:

1. EACH VALANCE UNIT SHALL BE PROVIDED WITH A BALL VALVE ON THE SUPPLY AND RETURN OF THE BRANCH PIPING. PROVIDE A BALANCE VALVE ON THE RETURN SIDE OF THE PIPING. A COMBINATION BALANCING/STOP VALVE CAN BE USED USED IN LIEU OF A SEPERATE BALANCING AND SHUT OFF VALVES.

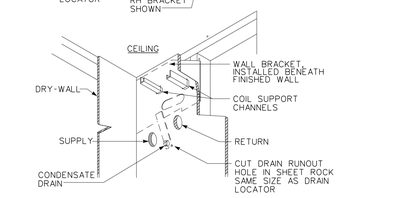


VALANCE PIPE ROUTING AND CONNECTION DETAIL 10

NO SCALE



ROWS	'X' DIMENSION
2	8 3/16"
3	6 3/8"
4	5 1/2"
5	4 1/2"
6	2 1/4"

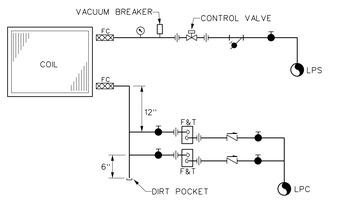


VALANCE MOUNTING BRACKET DETAIL 12

NO SCALE

NOTES:

1. THE HVAC CONTRACTOR SHALL COORDINATE MOUNTING OF THE WALL BRACKET WITH THE STUD WALL PARTITION SUBCONTRACTOR. THE HVAC CONTRACTOR IS RESPONSIBLE FOR THE ACTUAL MOUNTING OF THE WALL BRACKET. THE BRACKET SHALL BE SECURED TO A MINIMUM OF 3 STUDS FOR SOLID SUPPORT. IF 3 STUDS ARE NOT AVAILABLE THE SHEET ROCK SUBCONTRACTOR SHALL PROVIDE A REINFORCING BACKPLATE (I.E., 16 GAUGE STEEL) OF SUFFICIENT SIZE TO CATCH 3 STUDS.
2. THE WALL BRACKET SHALL BE INSTALLED BEFORE THE DRYWALL MATERIAL. THE DRYWALL CONTRACTOR SHALL CUT AND PATCH AS REQUIRED TO ACCOMODATE THE WALL BRACKET, PIPING PENETRATIONS ETC.
3. DRYWALL INSTALLER MUST PRECISELY LOCATE ALL CUTS FOR THE COIL SUPPORT CHANNELS, SUPPLY AND RETURN OPENINGS, AND THE CONDENSATE DRAIN OPENING. OVERSIZE HOLES WILL NOT BE COVERED BY VALANCE ENCLOSURE. DRYWALL CONTRACTOR SHALL PATCH AS REQUIRED TO MAKE A NEAT FINISHED APPEARANCE.
4. PENETRATIONS FOR PIPING MAINS SHALL ENTER THE VALANCE ENCLOSURE BELOW THE WALL MOUNTING BRACKET, TO ALLOW VALVES TO BE FULLY CONCEALED BY THE VALANCE ENCLOSURE.
5. CONTRACTOR SHALL INSTALL A MINIMUM OF TWO (2) MOCK-UP ROOMS, UNDER THE DIRECTION OF THE VALANCE MANUFACTURER'S REPRESENTATIVE, COMPLETE WITH ALL VALANCE MATERIALS, CONTROL PROCEEDING WITH THE BALANCE OF THE PROJECT. THESE ROOMS SHALL BE COMPLETE, INCLUDING ALL TRADES REQUIRED TO MAKE A FULL MOCK-UP.
6. THE CONTRACTOR SHALL INSTALL THE RH AND LH WALL BRACKETS LEVEL TO ONE ANOTHER VIA THE USE OF A LASER LEVEL OR OTHER EQUAL MEANS TO ENSURE THE VALANCE ENCLOSURE/DRAIN PAN CAN BE PROPERLY PITCHED FOR CONDENSATE DISPOSAL. CONSULT THE VALANCE MANUFACTURERS REPRESENTATIVE FOR PROPER INSTALLATION INSTRUCTIONS.
7. CONTRACTOR SHALL COORDINATE WITH VALANCE UNIT MANUFACTURER'S REPRESENTATIVE FOR POSTITIONING OF WALL BRACKETS.

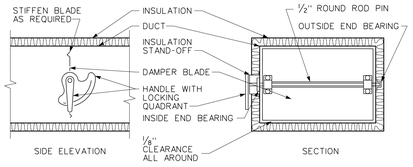


PREHEAT COIL PIPING DETAIL 2

NO SCALE — STEAM

NOTES:

1. ARRANGE PIPING TO ALLOW REMOVAL OF COIL WITHOUT REMOVAL OF PIPING AHEAD OF UNIONS AND TO ALLOW ACCESS TO FILTERS AND ACCESS PANEL.

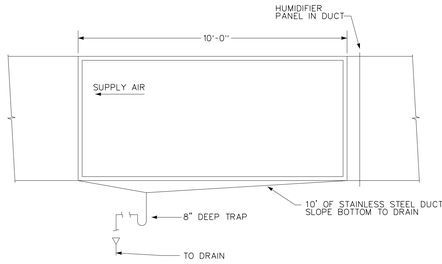


VOLUME DAMPER DETAIL 5

NO SCALE

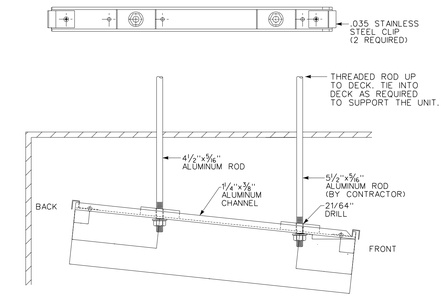
NOTE:

1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.



HUMIDIFIER IN DUCT DETAIL 8

NO SCALE

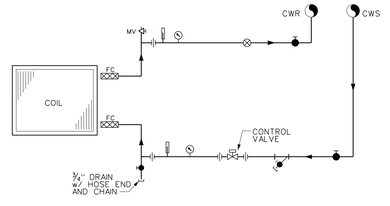


VALANCE CENTER SUPPORT DETAIL 11

NO SCALE

NOTES:

1. PROVIDE CENTER SUPPORTS ON VALANCE UNITS GREATER THAN 6'.
2. CONTRACTOR SHALL PAINT THE EXPOSED HANGER RODS TO MATCH THE VALANCE COVER.
3. 5 ROW COILS HAS TWO RODS AS SHOWN. 4 ROW COILS AND BELOW HAVE ONE ROD, INSTALLATION IS SIMILAR.

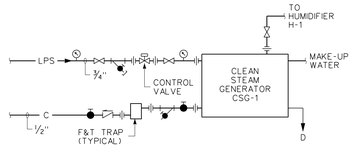


COOLING COIL PIPING DETAIL 3

NO SCALE — 2-WAY

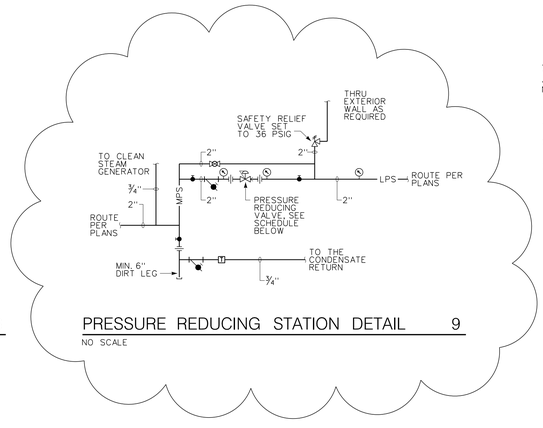
NOTES:

1. ARRANGE PIPING TO ALLOW REMOVAL OF COIL WITHOUT REMOVAL OF PIPING AHEAD OF UNIONS AND TO ALLOW ACCESS TO FILTERS AND ACCESS PANEL.
2. WHERE THERE IS MORE THAN ONE COIL SECTION, PROVIDE ISOLATION VALVES, AIR VENT AND FLOW BALANCER FOR EACH SECTION.
3. PIPE SUPPLY TO DISCHARGE AIR SIDE.
4. PROVIDE STRAINER WITH BLOW DOWN VALVE, HOSE BIBB AND CAP, WITH CHAIN.



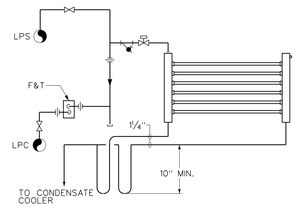
CLEAN STEAM GENERATOR PIPING DETAIL 6

NO SCALE



PRESSURE REDUCING STATION DETAIL 9

NO SCALE



HUMIDIFIER PIPING DETAIL 13

NO SCALE

Steam Changes	01/04/13
Revisions	Date

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Engineer's Stamp

CARDIOLOGY MANAGER	DATE	ENGINEERING MANAGER	DATE
INFECTION CONTROL	DATE	CARELINE MANAGER	DATE
SAFETY OFFICER	DATE	CHIEF OF STAFF	DATE

MEDICAL CENTER DIRECTOR — DATE

ASSOCIATE MEDICAL CENTER DIRECTOR — DATE

Drawing Title: DETAILS

Project Title: REMODEL WARD 7A – INFUSION CENTER

Location: V.A.M.C. BUFFALO, NEW YORK

Building Number: 1 | Checked: JWM | Drawn: JWM

Date: SEPTEMBER 22, 2011

Station No.: 528

11-102-H500

Office of Facilities

Department of Veterans Affairs